Well Armed, Well Protected, and Swift.

Undoubtedly the Best Ship of Her Size in the World.

An Object Lesson to War-chip Buildin Worth the Attention of the Whole People-Canaldered as a Floating Fort and as a Fighter-Interesting Peculiarities-It Takes a Long Time to Build Even a Comparatively Small Ship of this Sort,

There was a time during the war of the rebellion when the chances that the South ould succeed well nigh equalled the chances of Northern victory. A British ship had been overhauled by a Yankee cruiser, and the British Hon had had his nose brushed by a flap of the wing of the American eagle. The friends of the slave owners in the tight little isle were rampant, and such was the effect of their anger that the thinking men of the North, who saw and realized the peril, nerved themselves for a conflict such as the American people had searce dreamed of. British influence, British men and ships and guns, and British capital all but ready to range up for of battle on the side of the South. It makes the hearts of the younger concrations of Americans, those who were to moung then to know what was going on in powertat that time never for a moment thought of the policy of giving up the fight Along with owners to diplomats to avert the danger, if possibles were written orders for more ships and more guest and more powder and shells. It was in those days that the axe was laid to the trunks of white oak trees in their native forests, and on the sixtesth day from the first stroke of the axe those trunks were sliding down well greased ways in the form of substantial war ships. Possibly England's aid might have won independence for the slavs republic, but it would have made England sick before she was through with the job.

That was about thirty years ago, but the effect of that sudden burst of patriotic energy on the American people has not yet worn off. Unfortunately, while it was then of inestimable benefit to the nation, the effect has come to be at last almost as great a damage as it was then a blessing. It is impossible for a vast host of the American people to get rid of the idea that in the event of sudden war with a navy-owning nation the American inventive talent. backed by American pride and energy, would erente a fleet and arm and man it and put it to see while the enemy was filling her coal bunkers and hoisting in extra stores.

To obtain a thorough appreciation of the facts and conditions that now govern and must in future govern in a conflict between the United States and any navy-owning power. the patriotic readers of THE BUN can do no better than go over to Brooklyn and take a look at the first great sea fighter of Uncle Sam's new navy-the armored cruiser Maine-as she now stands unfinished on the ways.

Just about sixteen months ago, under orders from Navai Secretary Whitney, the work of building this ship was begun. From September, 1888, until the present time there has never been a work day when less than one hundred men were employed upon her, while for a good part of the time the force numbered from 300 to 500 and is now at the highest figure given. But she isn't a ship yet and may not be ready for launching even, let alone going into a light. for nine months more. And yet she has been pushed with all the power of two Naval Secretaries ambitious to leave a fair fame behind them when going out of office. A consideration of what the Maine is to be.

and of what has been done on her after six months of labor, will help the reader to com-prehend what sort of a task it is to build a modern navy fit to defend a country like the American republic. Here is a ship which, as laid down, was de

signed to be the best armed, the best protected, and the swiftest ship of her inches afloat. That she was after Uncle Sam's experts had gone over the British-drawn plans, properly designed to fill that bill, is not denied by any one who considers the date on which her plans were completed. The fact that better ships have since been planned in no way detracts from her merits when her date is considered. No ship of her size had been planned, up to the that could stand up before her for an hour. GENERAL OUTLINE AND DIMENSIONS.

It is not such a difficult matter for even the reader not familiar with the details of shipbuilding to understand the good and the bad nationce to consider them briefly. In the printed reports which Uncle Sam's

sharps of the Construction Department send this description of the new ship: General dimensions-Length between perpendiculars

810 feet; breadth, extreme, 57 feet; mean draught, 21% feet; displacement to above draught, 6,648 tons; indi-

Translated, this means that the new ship, as she appears in THE SUN'S admirable picture of her afloat at sea, is about 330 feet long, that she is 57 feet wide in the broadest part, that she can swim comfortably in a channel 24 feet deep, and that, when lying in still, smooth water her main deck, on the top of the black feet above the water, while, in all probability. when she has her crew and stores all on board. that deck will be 12 leet or less above the water. To an expert in such matters the statement of her dimensions, with her displacement, conveys an idea of her form as well as size.

Of her form it may be said that it is very pleasing to the eye under water, with the exception of one feature, and above water It is a cross between a coal barge and a Sound steamer. It has a series of right angled and round houses built on the deck, while, instead of the graceful overhanging counter alt and the clipper or swan-neck stem forward, her nose is snubbed and her stern carries a bustle that is hung too low for beauty. Could the

nose is snubbed and her stern carries a bustle that is hung too low for t-cauty. Could the ship be put down in Broadway opposite the Post Office, people on her upper deck could look into the third story windows easily. If her nose was opposite the Astor House entrance her stern would be close up to Park place, and as to getting up and down town past her, the people would find the space between her and the buildings very narrow.

Standing thus, it would be very easy to see the feature of her bottom that is not pleasing to look at. She carries what are known as bilge keels. The bilges are the rounded angles of the hull where the places of the bottom turn to become the side wails. Placed here and projecting from the hull like planks boiled edgeways to it are two webs, one on each bilgs, 2 leet wide and 160 feet long. These bilgs as he would do without them, the building sharps think. They will certainly interfere a good deal with her speed, and will make it more difficult to turn around when in a hurry to face the enemy.

The Maine was designed in the days (the last of them) when naval constructors still thought it necessary to turnish a war ship with ealls to help her along when the wind was fair. As the cut shows, the Maine has three masts on two of which yards are crossed. This is called a bark rig. The salls won't pull much and the yards will serve admirably to spread no and of haming flapping bunting at the Wolld's Fair entertainments, and on occasion may also appread some canvas which will be more or less will serve one other curpose, and a good one in time of battle. In such a time all the yards will serve admirably to spread no and of haming flapping bunting at the Wolld's Fair entertainments, and on occasion may also appread some canvas which will be more or less will serve one other curpose, and a good one in time of battle. In such a time all the yards and the upper masts would be entered one in the woll as a good one in the mast and the spread one in the woll as the such the woll as the past of the shi

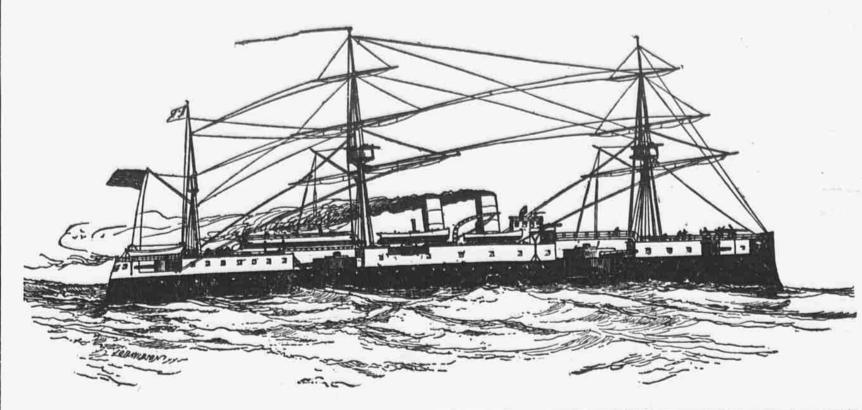
Having thus obtained a general idea of the ship as she would appear out of water and when affect at sea, it is now interesting to THE HULL.

consider the hull more in detail. As in every other ship, there is a keel and frames that rise from it like ribs from a backbone. The keel is made of plates of steel, and the frames are plates of a slightly different sort, but all are plates of a slightly different sort, but all are plates of a slightly different sort, but all are strains they have to bear, and stiffered and strains they would need to hit armor peak. Were there no other protection, the deck on which the turret there are with the deck on which the turret that the sed on the tion, the sed of the armor peak.

The self plant the ship to aim for the tion. It is ship the constructor builds a steel redoubt about the machiner. T

having seven tubes or guns from which torpedoes may be fired. Three of these are located so as to send the torpedo out below the water line, and four are located on the berth deck above the water line, and will start the torpedoes on the surface of the water. The modern torpedo is a eigar-shaped tube of steel or bronze, from 15 to 18 feet long and from 14 to 18 inches in diameter. It is placed in a tube, which it fits as a projectile fits agun, and behind it is placed a carridge of powder or compressed air. Powder will be employed on the Maine. The charge of powder is small and slow burning, and serves the purpose admirably. The torpedo carries anywhere from 75 to 250 pounds of gun cotton, and when it strika the ship there is on board of her, as Artenus Ward might have said, first a thrill of wild astonishment, then she scatters. The torpedo travels at the rate of 30 miles an

will go there and take positions where the undistinguished citizens can see them. There will be a great busiling among ahip carpenters and sallors, and a great thumping of sledges and battering rams on the blocks under her keel, and everybody will draw short breaths and stand on tiptoe, and pretty soon some one will say "There she goes!" and a bottle of wine will be smashed over the ship's bow by some very beautiful young lady, and every steam whistle will believ, and no end of guns will beom, and everybody will shout and whoop, and the big ship will slide down into the sparking waters of the Walisbout, and then everybody will so off and splice the main brace, after which the Secretary of the Navy will make a gradious speech, and the c.Secretary a modest speech, and the distinguished citizens grandfloquent speeches, and Chauncey Depew a very funny



support each other that were some monster crane to pick the Maine up by the stem and the sternpost she would hang there in midair stiffer than any bridge truss ever built.

By means of partitions made of plates of various thicknesses, according to the possible strains they will intwete bear, the buil is divided into 174 water-tigiffsempartments. These compariments are located chiefly below the water line, but they are essecially numerous in the parts of the hull likely be opened up by the shot of an enemy.

But while these partition walls add to the stiffness as well as safety of the hull, they sadly interfers with the ventilation, and if that were defective the crew would suffer. With a sick crew the best ship alloat would be at the mercy of a second-rate cruiser, and that is a point about the efficiency of a war ship that has been terribly neglected in some of the battle ships of the other side of the Atlantic. In the Maine, however, there is a very elaborate system of skylights, side lights, and cowis to direct the wind through all sorts of portholes. This serves above the water line, but it is not all, for a well-devised system of fans and ducts will take the breath out of the blige water to the uttermost comer of the smallest compartment. Probably the most it creating feature of the hull, considering that she is a sea fighter, is the stem. It is a sunb-nosed stem because she is expected to ram the enemy should opportunity offer. The stem is a steel casting, and the way it is braced and supported by the frames and plates behind it will be found interesting by any one who will take the trouble to go over to the navy yard and look at it before it is covered in out of sight. Another interesting feature of the hull does not yet appear to the visitor, but it will make the old fashioned sailor laugh to be told that when the Maine hot sup ancroor the steam capatan not only snakes the anchors up to the hawsepipes, but it will take them right in through the pipes. There will be no climbing down over the bows to hook

THE ARMOR PROTECTION.

The Maine is called an armored cruiser. In the nomenclature used in England she would be called a swift little battle ship. By this is meant that she is so built that she has thick steel plates placed where they will prevent any but the the heaviest shot from plercing vital parts of the ship. By vital parts or means the engine and boiler rooms, the men who work the most important guns of the ship, and the room in which ber commanding officer will stand when taking her into battle. It is wholly impossible to build a ship that will be wholly impossible to build a ship that will be wholly impervious to the shot even of a modern eightinch rifle at fighting range. So heavy would be the armor that she could carry neither guns nor engines of any value. So the naval construction sharps have endeavored to put on the armor where

so the naval construction sharps have endeavored to but on the armor where it is most needed, leaving the rest of the shin to be shot to pieces. hoping that the multitude of small compartments placed there would save her not only from sinking, but from losina her balance or trim, and so canting over fave could be accuracy of their plans the demonstrated the plans to destroy her. They have demonstrated the period of the plans to the troop of the ship to destroy her. They have demonstrated the passet up against each other over the Newfoundland fisheries just long enough to let the Collingwood or the Imperieuse set a good half day's fight (it might not lest as half hour) with the Morogeau or the Hoche, or the Trafalgar attack the Dupuy de Lorne, it would save Uncle Sam a heav of money, for then we should know what the modern battly ship is good for.

However, here is the Maine, with all the advantages and defects of the best British battle ships. A glance at the out shows that the Maine carries two turrets on her main deck. These turrets carry her most powerful guns. They are blaced one forward on the starboard side and one aft to port. The turrets project slightly out over the slines of the ship, being supported by buiges in the side that are called sponsons. The turrets contain two guass end. They can great over wide area of the horizon. Having the best guns of the ship in them, these guns and the men who loud and fire them must be protected at all hazards from the sum of the ship in them, these guns and the men who loud and fire them must be protected at all hazards from the sum of the ship in them, these guns and the men who loud and fire them with a big gun at the same and the

end on.

To get an idea of how high this armor belt comes on the ship the reader can draw a pencil line parallel with the water line, so as to cut off the lower one-fourth of the black side of

well backed. Last of all is the connecting link

well backed. Last of all is the connecting link between the conning tower and the rest of the ship. Speaking tubes, signal wires, and other devices for controlling the ship run down through the floor of the coming tower and through a steel tube 4's inches thick below that. The eggs are all in one basket, but it's a mighty good basket, A six-inch shell fired at a range of 1,000 yards would scarce destroy it, but a fair blow from a larger shell would end the battle—the ship would become uncontrollable.

Although scarcely to be called armor, the Maine is provided with further protection from the enemy's shot in the shape of an oval deck worked from the plane of the top of the armor belt, slanting down and aft, and terminating at the sternpost well below the water line. Where this deck joins the sternpost it is two inches thick; above the water line four inches. On account of the small angle at which a shot will necessarily strike this sloping deck, it will afford even better protection than the vertical six-inch wall forward. The deck below the water line forward is made of two thicknesses of inch steel, in order to strengthen the bow for ramming.

CONSIDERED AS A FIGHTER.

Considered as a Fighter.

The description of the Maine so far considers her simply as a floating fort. It is a mighty good fort for its size; one thing taken with an other, better than anything afloat. It is admitted that 9-inch shells would soon knock the stuffing out of it if in a still on the water while the enemy worked her breechloaders. What the neeple want to know is what the crew of the Maine would be doing meantime. It is fair to presume that they would be making the enemy think that a sulphur and brimstone place of terment was afloat, and that they the enemy think that a sulphur and brimstone place of terment was afloat, and that they the enemy think that a sulphur and brimstone place of terment was afloat, and that they the enemy there were criticisms may be made about her armor, the gunso the Maine are magnificent. First of all she will have four ten-inch rifles—two in each turret. These guns have not been made yet, but the gun makers at the Washington Navy Yard are at work on them, and one of that size for another ship has been completed and tested. A ten-inch rifle is a rille with a bore ten inches in diameter. The length of the gun is 329 inches and the longth of the gun is 329 inches and the longth of the sun is 329 inches and the longth of the sun is 329 inches and the longth of the gun is about nine miles. She could drop a shell on the deck of an enemy that was hull down beyond the horizon. At a range of this gun is about nine miles. She could drop a shell on the deck of an enemy that was hull down beyond the horizon. At a range of 1,000 yards the projectile would pierce the armor of anything afloat, save perhaps the turrets and waterline beits of half a dozen of the greatest snips. So far as the ships of the Maine's size is concerned, there is not one that has the armor to resist these projectiles. In actual battle these guns could be fire i seven to eight times each in half an hour. They could drive a shell into the null of the enemy every minute, if the gunners had the requisite skill; but,

the enemy with her bix shells once in two minutes. A sea duel of that sort would be a mighty
interesting spectacle.

In addition to the ten-inch guns the Maine
carries six of six-inch calibre. They are
mounted in the little turret-shaped structures
shown in the picture of the ship. These guns
are 196 inches long, weigh 4.9 tons, take a
charge of 50 counds of powder, and a shell of
100 pounds. They lift the shell over five miles
of water or drive it through 12.5 inches of
wrought iron at the muzzle. It is certain that
at least two of the six could be trained to help

at least two of the six could be trained to help the four ten-inch guns—in almost all situations three of them would be brought into action, hine these guns can be worked more than twice as last as the big ones, the enemy would find hundred-pound shells coming in at a rate that would add to his warmth and to the interest of the speciale—say once in 50 seconds after allowing for misses.

An examination of the picture of the ship will show a number of little guns mounted conspicuously about the upper works and in the two little masthead ports. These guns are known as the secondary battery, because they are small and chiefly valuable in repelling the attack of an enemy's torpedo boat. Novertheless, these guns would be found of the greatest service, exposed as they are, in a light with a great shift, for the reason that every ship oxposes her men to the fire while a vent the men working of the batte ships are exposed. Under well-directed fire from the secondary battery of the Maine the guns of these ships would be deabled for want of men to handle them. This is not agrees, for one naval fight during the war between Chill and Peru demonstrated it. The Husser surrendered because the crew were swept from the guns. It is not uninteresting the ships are exposed as the guns. It is not uninteresting to note here that Lord Nelson was killed by a musket ball fired from the mizzen top of an eigenv's ship.

The secondary battery of the Maine consists of four cannon cailed rapid-fire of a bore of 2½ inches, four 1.85-inch rapid-fire guns, four 1.80-inch revolving cannon, and four Gattings. The rapid-fire guns are as called because they can be fired rapidly. The entire charge is made up into a metal cartridge, which is put by hand into the breech of the gun and then fired very much as a single-whot sporting rifle is fired. The revolving cannon are loaded and fired by machinery. The rapid-fire guns are so called because they can be fired rapid-fire guns will sorve for the rest. It is a slender tube of steel 103% inches long. It

bour for a distance of a quarter of a mile. If
the Maine got within 400 yards of an enemy
she would shoot torpedees at her.
Another part of her means of offence is the
torpede boat. The Maine will carry two steam
launches fitted with the most powerful engines
so that they will travel at a remarkable speed.
Under some circumstances it would be perfectly feasible to urop these little hornets into
the water and send them against an enemy's
ship while the Maine was blazing away at her
with the big ten-inchrifies. In fact, the smoke
of the big gons might serve as an admirable
cover for a torpede boat attack. It is likely
that the call for boarders, in the old days, will
be replaced by the call for the crews of the torpode boats in the modern sea duel.

pedo boats in the modern sea duel.

To drive the ship.

The Maine will be driven by twin three-bladed screws litteen feet in diameter, turned by triple expansion engines. A bulkhead divides the engine room, so that each engine is in a water-tight compartment by itself. The cylinders are 35½, 57, and 88 inches in diameter respectively, and the stroke is 36 inches. There are eight cylindrical return tubular bodiers 14 feet 81 inches in diameter are sold to sealing up the engine rooms and pumping air into them, the air to lorce the draught, pipes from the blowers will lead into the furnaces. The total graite surface is 552 square teet. Instead of sealing up the engine rooms and pumping air into them, the air to lorce the draught, pipes from the blowers will lead into the furnaces. The blowers will be able to furnish 26,000 cubic feet fer minute to the furnaces, and if this doesn't make a fire to curl the grate bars nothing will. It is calculated that this combination of boller, coal, and wind will develop \$7.50 horse power in the engines and a speed of seventeen knots an hour in the ship during a run of sixty-eight miles, and that's the important consideration for the owners.

Whether she will develop this speed or not cannot be known until she has her trial, but the taxpayers have no occasion to werry meantime. The officers about the navy yard say to their friends privately that the work on the Maine is all right, and that is good enough news for the taxpayer. The ships designed and built under the administration of Secretary Whitney have in every case done better with each trial than they did in the trial before. Secretary Tracy, whose management of the Navy Department is about the only work of the Harrison Administration to which the Republican party will point with pride, is not going to leave anything undone which will add to his reputation. The most important part of the work on the Maine will cover her seventeen knots an h-ur.

Seventeen knots is a remarkable speed for a sea fighter as distinguished from an TO DRIVE THE SHIP.

she covered 17.75 knots. The Trafalgar, another of England's most powerful ships, in eight runs over the measured mile on June 26, 1889, was able to run at the speed of 16.21 knots an hour only. In the French navy the Formidable averaged 16.2 in a four-hours' run last March. The Le auto, a 15,094-ton monster of the Italian navy, has covered 18.38 knots in an hour. The most interesting fact in connection with speed

naw, has covered 18.38 knots in an hour. The most interesting tact in connection with speed trials of Joreign naval ships is that the ships have never done so well in commission as they did on their trial trips, while in the great North American republic the naval ships so far put in commission have done better work than they did on the trial trip.

Another I portant feature of the Maine is her coal capacity. She can take in, all told, 622 tons, and this will enable her to steam at ten knots an hour for 4.250 miles. She could not go to Europe and make an extended campaign on that amount of coal, but she can patrol the American coast.

HER CREW.

paign on that amount of coal, but she can patrol the American coast.

HER CHEW.

The Maine will carry 300 men. She is planned for a flag ship, and if she were now in commission the gray-haired Admirals of the navy would be in a terrible stew until it was determined which one should have her. The cabins for the Admiral and the Captain of the ship are in the superstructure alt. The other officers of the ship are provided with a diving room and a sitting room and eighteen state-rooms. The staterooms open off the sitting room. The dining room is 17x33 leet large, the size being worth mentioning because it is so commodious. The tail, white-haired asilors of the navy, who are all hump-shouldered because in the old ships they always had to waik tent over to avoid bumping their heads on the deck beams when 'tween decks, will never feel at home on the Maine. The head room on the berth deck is seven feet ten inches. When Jack lines up for inspection on Sunday morving with a black eye, the old yarn about bumping himself on a hammock hook won't work.

THE PRESENT CONDITION OF THE MAINE.

THE PRESENT CONDITION OF THE MAINE.

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THE PRESENT CONDITION OF THE MAINE.

"How much of the work to be done before she is really to launch is now completed?" was asked of one of the constructors.

"About four-fifths."

"When do you expect to launch her?"

"Nex! fall some time. If we could get the material as fast as we needed it and the Secretary desired to push the work, she might be launched as sarry as July 4, but there is no present hope of getting material fast enough to warrant the expectation of launching her before Oct. 1."

The ship is an interesting spectacle as she now stands on the blocks in the navy yard, the looks like a ship, and to the eyes of one accustomed to ships she looks like a mighty powerful ship. To an ordinary observer she looks small, because she is so beautifully proportioned that the eye is deceived, if the siranger will go on board, however, and go down inside the hull amidships, and will look toward either end, the stem and the stern post will seem to be a far cry away.

The chief recent delay has been with the material for the tubes or tunnels through which the wheel shafts are to run. The whole siter end of the ship is much behind the bow. The delay is with Carnegie's works. The trouble is that the capacity of the American steel-producing works where metal of the proper quality can be made is not large enough to turn out these plates as fast as wanted. From the day the first plate of the keel was stretched along the blocks to this time there have been continuous and often vexations delays, and we during the sixteen months the Maine has been in hand no other armordad was building in the country. There were a few cruisers building, it is true. Supposing there was a sudden need of a few armorelasis to keep a blockading fleet from the Sandy Hook bar, where would the steel to make them of come from? If it takes two years to launch a little armorclad, and the steel troducing works of the nation are crowded to the wait to turn out the material and the ship be delaye

one, and THE SUN will tell everybody all about

one, and THE Sun will tell everybody all about it next day.

Then the hard-headed taxpayer will consider the case, and having looked the ship and the bill over carefully he will conclude:

That she is a mighty fine ship.

That \$1,000,000, her cost, is a heap of money.

That she is worth the beap.

That it is good policy to keep on building naval ships in the navy yards as well as in private yards by contract.

That we are a great nation.

Let the eagle scream:

TWO GRAVES IN LONELY GULCH, An Affecting Story Told by a Pormer Pros pector in the Colorado Mountains, From the Leadville Democrat.

"I noticed a few weeks ago, in your paper, description of lonely graves in the mountains of Colorado," remarked a gentleman to the writer Monday. "At the time I read it I was travelling in the southern portion of the State, and it recalled to mind two lonely graves that I know of, which lie nidden in the recesses of the mountain in Routt county. Of course, there is a history attached to them, and if you have time I will spin the yarn.

"In the year 1872 I was prospecting in the neighborhood of Hans' Peak and the Rabbit Ear Range, and at that time but very little was known of the rich cilver veins which traversed that portion of the State. There were other prospectors in the country, and the few of us felt elated over the finding of several leads that contained gray copper, and we went to work with a will to open the veins up. You have no idea of the many difficulties that one privations one has to suffer. But the excitement attending the life of a prospector, that some day he will strike it and be recompensed for all his trouble buoys him up, and he endures all hardships and privations with good grace. The country at that time was well stocked with game, and we never had any difficulty in procuring all the freeh meat that was needed. I had built a rude cabin at the nead of a small suich and not rar from my claims. It was a lovely spot, with groves of quaking aspen trees surrounding the cabin, and about fifty yards from the door stood two majestic pines that I named the sentinels.

"One day when I returned from work I found two strangers, man and wife, had taken possession of my house, and was a little astonished at first to see a woman in that part of the country. They asked permission to remain there for a few days, and it was readily granted. I was indeed glad to see strange faces, and welcomed them to my humble shode. From the very first I noticed that the woman was not strong, and this aroused my curlosity. privations one has to suffer. But the excite-

From the very first I noticed that the woman was not strong, and this aroused my curiosity, as I could not figure out wiv a woman in delicate health should be in such a wild, part of the country. She had been a very pretty woman once, but consumption, the makedy from which she was suffering had robbed her of most of her beauty. She had a eveet temper, that won for her friends wherever she went. She was also refrectly resigned to the inevitable, and knew that har pligrimage on earth was short. But she bore up with the greatest was the woman and the work and everything about it had been changed. Alice—that was the woman name—had remodelled the place, and all things showed the touch of a woman's hand. Well, one evening after supper, we were slitting in front of the cabin, enjoying the beauties of an August evening, when the husband, Alfred told me what brough him to that section of Colorado. History was brief. He stated that after being married in the Last for two years, his wife had shown unmistakable signs of consumption, and the doctors had advised known unmistakable signs of consumption, and the doctors had advised known the doctors had advised known that to unreying that way she would gain strength. They found a party of emigrants at a small town in Nebraska, who were going to the coast and engaged their passage. For the first week cut Alice gained strength, but one evening she caught cold, and the misdy increased with awful radidity. When Lavamie City was reached to go go into partiture of pine was benedical to consumptions. A wagon was procured that took them to North Park, and by easy stages on horseback they had reached my cablin. It was by the merest chance they found it, and I was glad they did.

"A month passed, the happiest in my life, but I saw that grand had reached my cablin. It was by the merest chance they found it and I was glad they did.

"A month passed, the happiest in my life, but I saw that grand had reached my cablin. It was brief to the passed to the benefit of the proceed of the benefit

WISDOM OF THE WITH

Like the King's Clown, They Are Philose

The family stovepipe was never meant for a pipe of peace.—Binghamion Republican.

When a young woman powders her hair and wears a cap it will be rather atrange if there is not a bang somewhere in the vicinity.—Washington Star.

Tell a woman that she looks fresh and she will smile all over. Tell a man the same thing and if he doesn't kick you it is either because he has corns or darean't.—Burlington Free Press.

It's cool and warm and warm and cool,
There's caim and then there's bloster,
So that we don't snow which to weak,
An overcoat or duster.

— Washington Stor.

Teacher (who has had to tell Johnny nearly all of his leason)—What did I tell you a shepherd is?
Johnny—One who tends to sheen.
Teacher—Correct. Now see if you can tell me what a coward is.
Johnny hopefully)—One who tends to cows.
—Phicadelphia Times.
Artist—Vanderbilt has bought "The Grand Canal of Venice" for \$100,000.
Old Gent—Is that so? I didn't know he hadled anything but railroads.—Washington Star.

Star.

"Well, have you farmers had rain enough?"
he queried of a farmer on the market Saturday.
"Hardly," was the reply.
"You haven't? Why, it has rained almost every day for two months!"
"Yes, I know. I'm running a skiff around the farm now, but if we had a little more rain think it could put on a flatboat and carry bigger loads!"—Detroit Free Fress It takes a man a lifetime to establish a character noted for charity, truthfulness, and perfect honesty. He can become notorious as a thief in twenty-four hours.—New Orleans Picature.

There are only three one-legged members of the House this year: Henderson of Iowa. Stern of Kentucky, and Boothman of Ohlo, but there are a great many members of one idea.—Jewish Messenger.

ger.
In times like these the doctor skilled lis hopes of curing offers.
Bis pockets are with money filled Drawn from the public conghers.
— Washington

Harry—And, dearest, do you think of me all the day long?
Dearest—I did, Harry, but the days are getting longer now, and, of course—well, you know that that must make some difference.—
Boston Transcript. Resolutions are like messenger boys. They are the easiest things imaginable to pass.—
Boston Transcript.

"What is your idea of a gentleman, Yel-"A true gentieman always laughs at the joke of a story and never says that he heard it be-fore."—Boston Courier.

of a story and never says that he heard it before."—Bosion Courier.

Wickwire—What is the reason Mudge does not speak to you any more? Have you offeded him in any way?

Yabsley—Yes. I claimed that he had nothing but a common cold.—Terre Haute Express.

There are two reasons why some people don't mind their own business. One is that they haven't any mind; the other, that they haven't any business.—Harvard Lampoon.

Doctor (feeling the patient's pulles)—Um, um, I think I sbail have to bleed you.

Fatient (feebly)—Can't you wait, Doctor till you send in your bill?—Washington Star.

Physician—Madam, how did your husband happen to drink so many swallows of carbolic acid before he found out what it was?

Wife of Patient—He was hardly awake and was reaching for his cough balsam. He got hold of the wrong bottle.

Physician—Las he ever had any experience of this kind before?

Wilo—Never, though I once heard him say, when he lived in New Jersey? Madam, he will recover.—Chicago Tribune.

Mrs. Montmorrency-Smythe—No, Mrs. Rageners.

sey? Madam, he will recover.—Chicago Tribune.

Mrs. Montmorency-Smythe—No. Mrs. Raggles, we never have any family jars in our
house. Whenever a difficulty occurs between
my husband and me Mr. Smythe always takes
his hat and goes out.

Mrs. De Beresford-Raggles—Ah, yes; I've
often wondered why Mr. Smythe spent so
much time on the streets.—Boston Post.

After the railroad accident. Husband (extrica ing himself from the wreck)—Emily, thank
God you are safe! Heavens! isn't this awrul?

Wife—Dreadful! Hear the poor people groan!
Dearest?

Dearest?
Husband-What is it, love?
Wife-ls my hat on straight?-Burlington
Free Press.

Free Press.

"By thunder, old fellow, what has happened to you that you smile so all the time? What, is it so good?"

"Oh nothing at all, but you see one never knows nowadnys but somebody may be photographing him."—Fliegende Blaetler.

Landlady—Mercy! Something dreadful's going to happen. For thirteen to dine at a table is a bad sign, you know.

Fogg—(reassuringly)—Ordinarily, yes; but then, you know, in our house one can hardly call it dining.—Boston Transcript.

Yabaley—Wickwire, we have just been dis-

Yabsley-Wickwire, we have just been dis-cussing the question whether married women really do go through their husbands' pockets. really do go through their nusuanus pocasis.

Does yours?"
Wickwire—Of course I can only give you my
own experience, and that is she dun't. When
she gets to the bottom of them she stops,—

Terre Haute Express.

A million little microbes

Were dancing in the sun;
There came a bitter kil ing frost,
And then there was but one.

This lonely little microbe
Pout-d his little lip,
And said. "I wish I, too, was dead,
Because I've lost my grip!"
—isstion Transcript. The dear, delightful Vassar girl

A facetious Bostonian, who has occasion to and p-stal cards to a certain small city where there is a Postm stress, writes this legend on the top of the card: "Please forward after perusal."—Boston Herald.

the top of the eard: "Please forward after perusal."—Boston Heraid.

The Snow Shovel Trust seems to have leased quarters outside the breastworks for the year 1890.—Washington Post.

The man who thinks quick and speaks slow will be very apt to get along in the world safely.—New Orleans Picayune.

At any rate the mortality from influenza is not so great as that from the elixir of life a few months ago.—Minvaukee Sentinel.

"What ho! Bring forth my trusty steed And she my sword and shield; I'll voit into the cell and speed To you excited field!"

Arc to the sounds of dole and woe, He never more came ohm; By Wheatstone's Bridge they taid him low, The golden stair he coulomb,

While passing a farm in Virginia the figure of an elderly man, whose attire was noticeable for the utter absence of any dec-rative efforts, was to be seen leaning against the fence. "Jes gettin' 'long; no mo'h."

"Good farm?"

"Fa'h."

"Can you raise anything on it?"

"Consid'ble. I jes' raised seventy-five dol-lahs on it; fohth mortgage, too."—Washington Post.

Harry—Are you singing in the choir now?
Howard—No. I have joined the church.—
Kearney Enterprise.
"It must have been dreadfully hard to wear
these old coats of armor."
"Yes; they have the appearance of hardware."—Harper's Batar.
Young Medical Student (to his sweetheart)—
Do you know. Julia, that the human heart is
squal to the litting of 120 pounds every 24
hours?
Julia (demurely)—Well, that's just my weight.
—Grand Rapids Neves.
"May I inquire your occupation?" asked
the doctor.

"May I inquire your occupation?" asked the doctor.
"I am a clerk on a salary of \$47.50 a month."
"Your aliment, sir," said the doctor, with decision. "Is not gout, it is simply an apgravated case of ingrowing toenall."—Chicago Tribune,
"Did you ever call upon Dr. Banquet, professionally?"
"Yes, once. I was described."

fessionally?"
"Yes, once. I was drowning."
"Yes, once. I was drowning."
"Drowning?"
"Yes. He diagnosticated my case on the instant and wrote a prescription on a chip which he threw into the water where I could get it."
"What was the prescription?"
"It: Swim."—Lafe.

"lt; bwim."—Ltfe.

Mistreas (kindiy)—Jane, I hear you have been seen in the park with my husband.
Jane (defiantly)—Yes, ma'am; I have.
Mistreas (still more kindiy)—Well, Jane, you are a good sirk and I dislike to lose you, but I cannot have any one about the house who keeps bad company.—Nes Haven Nutnegs.

Newly accepted suitor—Well, Bobby, you will have a new uncle soon: I am your Aunt Marr's choice for a husband.

Hobby (surprised)—Well, that's strange. I heard her tell mamma only yesterday that you were Hobson's choice.—Life.

Patient (one of the 400)—Doctor, is this com-

were Hobson's choice.—Life.

Patient (one of the 400)—Doctor, is this complaint—is grippe. I think you call it—prevalent among the—aw—the masses?

Physician—It is. More than half the patients I am treating for it are working people.

Patient—Doctor, you will please treat me for an ordinary cold.—Chicago Tribune.

Mrs. Pigg.—Why Acol. Tribune. Mrs. Figg.—Why don't you marry Mollie Morris? I am sure she likes you.
Mr. Grum—She giggles too much. I hate a
woman who is always laughing.
Mrs. Figg.—Oh. I guess she would get entirely
over that if you were to marry her.—Terre Haule
Express.

Express.

Drink, and the world drinks with you: swear off, and you swear alone.—Philadelphia Inquirer. Not His Busy Season.

Lady (to tramp)-I should think you'd go to

Have You Had

The grippe? Is the question of the day. If the influence or any other disease or overwork have put you into a weak, debiliated condition, you should immediately take Hood's farsaparille. It tones every part of the body, invigorates the liver, creates an appetita, and naturely evercomes that tired feeting.

Hencwed My Orip

"Hood's Sarsaparilla has renewed my grip. I am 65

years of age, and was all rur down and discouraged. Thave taken Hood's Sarsaparilla and on looking myself over find that I am much better, in fact quite a chap. Of course, the medicine will not discount my years, but t comes nearer to it than anything cise."-CHAS. B.

LONG, Shrewsbury, Mass., Jan. 8, 1880. Hood's Sarsaparilla

Sold by all druggists. \$1; six for \$5. Prepared only by C. I. HOOD & CO., Apothecaries, Lowell, Mass. 100 Doses One Bellar

SOUTH AFRICA'S GOLD CENTRE. The Wonderful Town of Johannesburg That Has Grown Up in a Day. KIMBERLEY, Dec. 16.—Johannesburg is reached by a coach journey from Kimberley of

more than 300 miles. The coach service is in the hands of two contractors, and is an excellent service. The conches used are after the Cobb pattern, each coach carrying twelve inside and from six to nine outside passengers, besides mails and luggage. They run daily, completing the journey in three days and two nights, and are usually full of passengers both on the up and down journey. The fare either way is £12 12s., which with the additional charges for extra luggage, twenty-five pounds only being allowed, and extra charged at the rate of a penny per pound, and the charges for the mails, leaves a very handsome profit for the contractors. The coaches are dragged by horses or mules, and finer cattle are not to be found in this colony than those employed in this service. Fresh horses are taken on every hour or hour and a half, and the teams run only one stage per day, thus giving them every chance of being kept in good condition. The roads in dry weather are good and easily traversed. After rain they are in some parts heavy. The country through which they travel is in the highest degree monotonous, not a tree nor a bush, not a rive nor a hill, to be seen for miles, except when some old farm house stands out from the surrounding bareness with a circle of drooping willows around it. There are only two places of importance on the whole route—Klerksdorp and Potchefstrom. The former consists of an old village with a few scattered houses covered by clumps of trees, and a new township, which is the growth of a day and has sprung up in consequence of the gold discoveries recently made there. Already several pretentious stone houses have been erected. A neat and com-modious Exchange occupies a prominent site. Churches, schools, and a Court House are in course of construction, and several large and commodious hotels offer accommodation to the chance traveller. The chief hotel, called the Palace, would do credit to many an older established town. At this hotel the coach stops to rest the passengers for the night, and, as a result of the enormous traffic passing through the Transvaal, it is difficult to get a bed.

The town of Potchefstrom was the old capital of the Transvaal and was the seat of Govern-ment until it was removed to Pretoria. Like all Dutch towns of old standing the houses are built in the midst of lovely gardens thickly planted with trees, which also grow luxuriantly in the roadways and lend a charm and a freshness to the scene quite exhilarating to those who have been journeying for hours on the bare veldt. This town, too, has felt the influence of the gold fever. Gold fields have been discovered in its neighborhood, and in consequence the town is full of prospectors, diggers, and speculators, ready to pick up the first good thing they can find. Between Potche'strom and Johannesburg there is nothing worthy of

note. As one approaches the latter city the face of the country undergoes a g adual change, becoming more undulating and hilly, till all at once the famous El Dorado bursts upon the view, stretching along the base of a low ridge of hills, along whose sides the smoking funnels betray the busy work that is going on in unearthing golden treasures.

The city of Johannesburg is a surprise to all. One hears often its praises sung and its streets and buildings pronounced indescribable, but this is set down to exaggeration arising out of the enthusiasm of the speakers. No one expects to find broad and regular streets, with noble piles of buildings erected on both

sides-buildings and streets rivaling in size chief towns of England. The principal business street, Commissioner street, extends for nearly two miles. It can also some of the finest buildings of the city—the new club, the Bank of Africa, the new Lachange buildings, two large hotels, and several two and three and style of architecture those of some of the

two large hotels, and several two and intended solely for business been-ses and for offices for the hundred of brothers and speculators who find occupation there. All the emity spaces are being tanibuly thed up with buildings of frick and altene, and the clinic sound that is hosted above the shoulding blick about that is hosted above the shoulding blick above the shoulding blick above the shoulding blick above the shoulding blick hisse. The two proper is a most entirely occupied with business premises: the inhabitants have had to betake themsevers to he outskirts to find suitable residences. Comequently, on the shops of the fine on one should not all the extremities of the city, several townships have spring ut. The principal of these is Doornfontein, an estate belonging to these is Doornfontein, an estate belonging to these is Doornfontein, an estate belonging to the water company, which has been artistically laid out in allotments, on which substantial and pictures pure residences have been erected, and this forms the Deignavia of Johannesburg.

I all or three years, and already tip essesses an ample supply of water laid on by sheet in the houses and conducted through the principal streets from the reservoir on the hill above Doornfontein, to which it is numped up from several springs at a considerable distance from each other in the lower lands. As yet the streets are in darkness at high depending for light on the oil lumps of the tost of canteens to be found in every street. But agas company the security of the principal features of Johannesburg street, the company has secured, on favorable terms, the lease, with his secured, on favorable terms, the lease, with the street should an extension from the security of the free shall be end of the principal features of the proper of the principal features of the principal features of the principal features and recreating spac